



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

**Starline Industries, Inc.
4206 Shannon Drive
Baltimore, Maryland 21213**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "140 (OXO) Steel Reinforced" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **225**, titled "Series 140 Aluminum Horizontal Sliding Window (OXO)", sheets 1 through 8 of 8, prepared by manufacturer, dated 03/20/03 with revision dated 01/16/06, signed and sealed by Allen N. Reeves, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **04-1202.05** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 11-0401.10
Expiration Date: April 06, 2016
Approval Date: December 29, 2011
Page 1


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
1. Drawing No. **225**, titled "Series 140 Aluminum Horizontal Sliding Window (OXO)", sheets 1 through 8 of 8, prepared by manufacturer, dated 03/20/03 with revision dated 01/16/06, signed and sealed by Allen N. Reeves, P.E .

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Hurricane Testing Laboratory, LLC, Test reports No. **HTL-0296-0208-02** (Specimens # 1 & 4), dated 08/02/04, signed and sealed by Vinu Abraham, P.E.
(Submitted under previous NOA #04-1202.05)
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Hurricane Testing Laboratory, LLC, Test reports No. **HTL-0296-0506-02** (Specimens # 2 & 3), dated 08/02/04, signed and sealed by Vinu Abraham, P.E.
(Submitted under previous NOA #04-1202.05)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Hurricane Testing Laboratory, LLC, Test Report No. **HTL-0296-0917-03** (Specimen # 1), dated 08/02/04, signed and sealed by Vinu Abraham, P.E.
(Submitted under previous NOA #04-1202.05)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0401.10
Expiration Date: April 06, 2016
Approval Date: December 29, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by HR Engineering, Inc., dated 10/29/04, 12/07/05, 01/10/06, 05-10-11, and updated on 12/19/11, signed and sealed by Allen N. Reeves, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

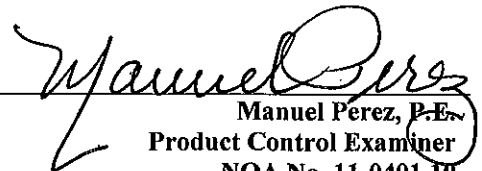
1. Notice of Acceptance No. **10-0413.04** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/10, expiring on 01/14/12.
2. Notice of Acceptance No. **08-0709.04** issued to **Glasslam N.G.I., Inc.** for their "**Safety-Plus II Laminated Glass**" dated 09/11/08, expiring on 08/07/13.

F. STATEMENTS

1. Statement letter of conformance complying with FBC-2007 and FBC-2010, dated 12/19/11, signed and sealed by Allen N. Reeves, P.E.
2. Statement letter of conformance and no financial interest, dated 10/15/04, both signed and sealed by Allen N. Reeves, P.E.
3. Laboratory compliance letter for Test Reports No. **HTL-0296-0208-02**, **HTL-0296-0506-02** and **HTL-0296-0917-03**, issued by Hurricane Test Laboratory, LLC, dated July 28, 2004, signed and sealed by Vinu J. Abraham, P.E.
4. Addendum letter dated 01/26/06 issued by Hurricane Testing Lab for above test report, signed and sealed by Vinu Abraham, P.E.

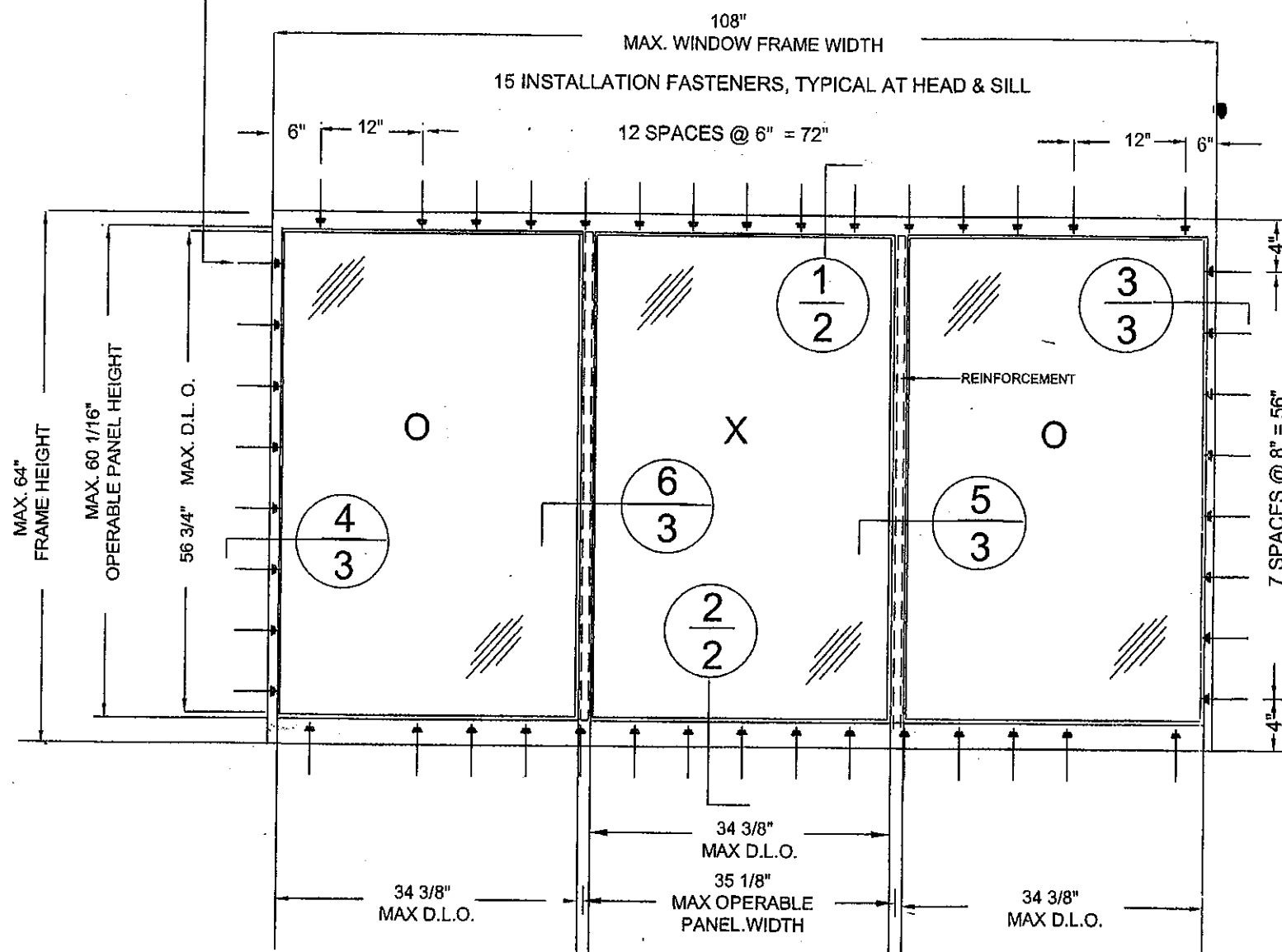
G. OTHERS

1. Notice of Acceptance No. **04-1202.05**, issued to Starline Industries, Inc. for their Series 140 Aluminum Horizontal Sliding Window (OXO)-Steel Reinforced, approved on 04/06/06 and expiring on 04/06/11.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0401.10

Expiration Date: April 06, 2016
Approval Date: December 29, 2011

FOR TYPES OF INSTALLATION FASTENERS, SEE NOTE ON SHEET 4 OF 8
FOR LOCATIONS OF INSTALLATION FASTENERS, SEE CROSS SECTIONS ON SHEETS 2 & 3 OF 8



WINDOW ELEVATION VIEW - EXTERIOR

DESIGN PRESSURE RATING WITH GLAZING TYPE "A"
.590" OVERALL LAMINATED GLASS CONSISTING OF:
9/16" SENTRY GLASS PLUS LAMINATED
GLASS (1/4" H.S.) +
.090 INNER LAYER (SENTRY PLUS BY DUPONT) +
GLASS (1/4" H.S.) GLASS

POSITIVE	65.0 PSF
NEGATIVE	65.0 PSF

DESIGN PRESSURE RATING WITH GLAZING TYPE "B"
0.875" Laminated Tempered Glass Consisting Of:
1/8" Tempered Glass +
.090 Safety Plus 2 Interlayer by Glass Lam. +
1/8" Tempered Glass +
3/8" Airspace +
1/8" Tempered Glass

POSITIVE	65.0 PSF
NEGATIVE	65.0 PSF

Approved as complying with the
Florida Building Code
Date APRIL 06, 2006
NOA# 04-1202-02
Miami Dade Product Control
Division
By Isaac J. Llanos

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-0401-10
Expiration Date April 6, 2016
By Maureen P. Piza
Miami Dade Product Control

Allen N. Ream
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

DWG NUMBER:	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	1 of 8

STIFF RIGID SHIM TO BE PROVIDED AT EACH INSTALLATION FASTENER

SEE NOTE FOR TYPES OF SUBSTRATE SHEET 4 OF 8

1/4" MAX SHIM SPACE

MAX WINDOW FRAME HEIGHT 64"

1/4" MAX SHIM SPACE

SEE NOTE FOR TYPES OF SUBSTRATE SHEET 4 OF 8

STIFF RIGID SHIM

SEE NOTE FOR INSTALLATION FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR SPACING SHEET 1 OF 8

MAX. D.L.O. 56 3/4"

MAX. VENT HEIGHT 60 1/16"

3.938" SILL HEIGHT

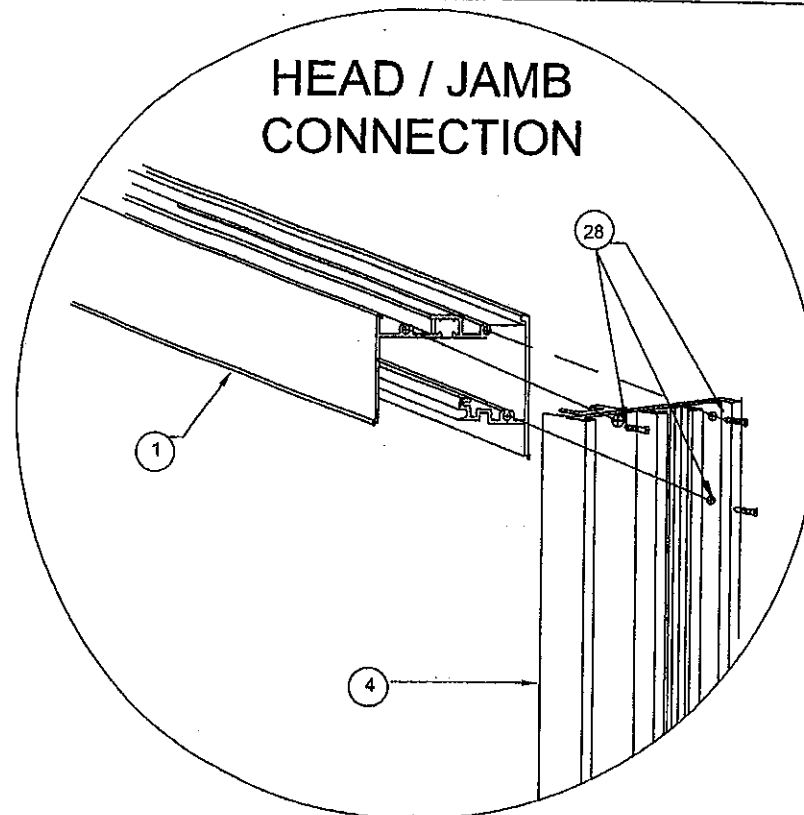
SEE NOTE FOR INSTALLATION FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR SPACING SHEET 1 OF 8

0.832

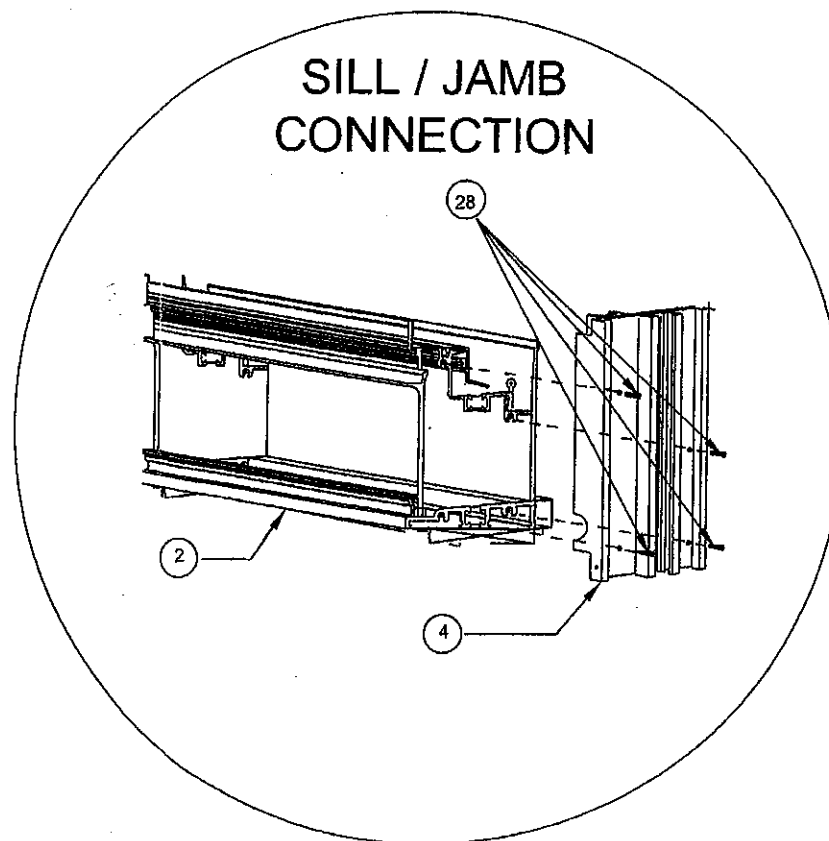
INTERIOR

EXTERIOR

HEAD / JAMB CONNECTION



SILL / JAMB CONNECTION



Approved as complying with the
Florida Building Code
Date APRIL 06, 2006
NOA# 04-1202-05
Miami Dade Product Control
By Shag J. Chandra

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 11-D401-10
Expiration Date April 6, 2016
By Manuel Jara
Miami Dade Product Control

VERTICAL CROSS SECTIONS

Allen N. Rivera
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL SLIDING WINDOW (OXO)

DWG. NUMBER:	225
Date:	3-20-03
Drawn By:	KAH
Checked By:	ANR
Sheet:	2 of 8

STIFF, RIDGID SHIM TO BE PROVIDED
AT EACH INSTALLATION FASTENER

SEE NOTE FOR
TYPES OF SUBSTRATE
SHEET 4 OF 8

SEE NOTE FOR INSTALLATION
FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR
SPACING SHEET 1 OF 8

1/4" MAX SHIM SPACE

SINGLE SASH LOCK
LOCATED AT MIDHEIGHT
OF SASH

INTERIOR

35 1/4" MAX OPERABLE
PANEL WIDTH

MULL CAP ABOVE

34 3/8"
MAX. D.L.O.

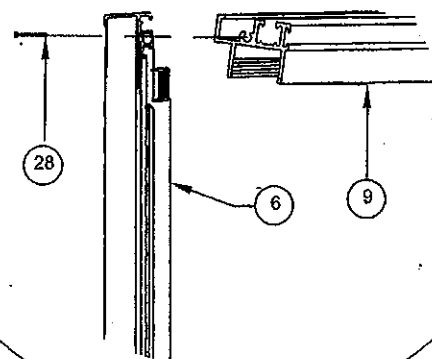
108"

MAX. WINDOW FRAME WIDTH

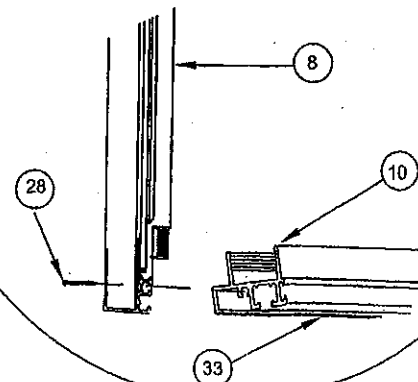
EXTERIOR

HORIZONTAL CROSS SECTION

VENT TOP RAIL / LOCK
JAMB CONNECTION



VENT BOTTOM RAIL /
INTERLOCK JAMB CONNECTION



SEE NOTE FOR
TYPES OF SUBSTRATE
SHEET 4 OF 8

SEE NOTE FOR INSTALLATION
FASTENERS SHEET 4 OF 8
SEE ELEVATION VIEW FOR
SPACING SHEET 1 OF 8

1/4" MAX SHIM SPACE

Approved as complying with the
Florida Building Code
Date APRIL 06, 2006
NOAH 04-1202-05
Miami Dade Product Control
By Shay J. Charles

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 11-D401-1D
Expiration Date April 6, 2016
By Michael J. [Signature]
Miami Dade Product Control

Allen M. Rivera
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
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Phone: 410-325-5300
Fax: 410-483-6204



Revisions

Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

DWG. NUMBER

225

Date:

3-20-2003

Drawn By:

KAH

Checked By:

ANR

Sheet:

3 of 8

BILL OF MATERIALS

ITEM	NAME	PART NO.	ALLOY/TEMP	COMMENTS
1	HEAD	100	6063-T5	SWP-603.8
2	SILL	155	6063-T5	SWP-603.8
3	SILL INSERT	142	6063-T5	SWP-603.8
4	JAMB	102	6063-T5	SWP-603.8
5	VENT JAMB STILE	106	6063-T5	SWP-603.8
6	VENT LOCK STILE	137	6063-T5	SWP-603.8
7	KEEPER INTERLOCK STILE	151	6063-T5	SWP-603.8
8	JAMB INTERLOCK STILE	103	6063-T5	SWP-603.8
9	TOP VENT RAIL	105	6063-T5	SWP-603.8
10	BOTTOM VENT RAIL	105	6063-T5	SWP-603.8
11	7/8 GLAZING VINYL	1501	NEOPRENE	PROTO-TYPE
12	ROLLER TRACK CAP	1534	S/S	JOHNSTON BROTHERS
13	THERMAL BREAK			URETHANE
14	SHEAR BLOCK	609	6063-T5	MILL FINISH
15	SILICONE SEALANT			DOW-CORNING 995
16	SETTING BLOCKS	1535	80/90 DUROMETER NEOPRENE	1/8" X 1" X 2"
17	L CLIP MINIMUM 6" LONG	215		STARLINE
18	STILE REINFORCEMENT	1000	Steel Fy = 36 ksi	3/4" X 1 3/4" Full Length
19	MULL CAP	1531		COVER OVER REINFORCEMENT SLOT
20	STILE COVER	1504		MOR-X PLASTIC
21	9/16 GLAZING BEAD	1500	RIGID VINYL	MOR-X PLASTIC
22	POLY SPACER	1507		PROTO-TYPE VINYL
23	WEATHERSTRIPING	1516		Schlegel 7515-6611-6
24	WEEP COVERS	1611		P.D.D.I.
25	SILL END SEAL			LAMATEC
26	SASH LOCK		6063-T5	STARLINE
27	SCREW			#8x7/8" PFH
28	SCREW			#8x1-1/4" PPH
29	SCREW			#8x1" PPH
30	SCREW			#10 x 3/4 PH Tek
31	VINYL ISOLATOR	1529		PROTO-TYPE VINYL
32	SETTING BLOCKS	1535	80/90 DUROMETER NEOPRENE	1/8" X 5/8" X 2"
33	SASH ROLLERS	1605		Seastrom S/S
34	7/8" GLAZING SPACER	INSULATED GLASS SPACER BY GLASSLAM		

NOTES:

TYPES OF SUBSTRATE:

- 1) MASONRY BLOCK
- 2) WOOD FRAME
- 3) STEEL
- 4) CONCRETE

FINISH :

- 1) STANDARD WHITE PAINT
- 2) DARK BRONZE ANNOXIDIZED
- 3) CLEAR ANODIZED

GLAZING:

TYPE A OR B - SEE SHEET 1 OF 8

INSTALLATION FASTENERS:

- 1) WOOD - #14 (1/4" DIAMETER) X 4" WOOD SCREWS MINIMUM 2 1/2" EMBEDMENT .975 EDGE DISTANCE (EITHER 2 - 2 X OR 2 1/2" MINIMUM SOLID WOOD).
- 2) STEEL - #14 (1/4" DIAMETER) X 1 1/2" SELF DRILLING SCREWS - MINIMUM .220" THICK SUBSTRATE.
- 3) CONCRETE & MASONRY - 1/4" DIAMETER X 2 3/4" TAPCONS BY ITW BUILDEX MINIMUM 1 1/4" EMBEDMENT / 2 1/2" EDGE DISTANCE.
- 4) NO ALLOWABLE INCREASE FOR WIND LOAD DURATION HAS BEEN USED WITH INSTALLATION FASTENERS, WITH THE EXCEPTION OF WOOD WHERE A 1.6 DURATION FACTOR WAS USED.

Approved as complying with the
Florida Building Code
Date: APRIL 06, 2006
NOAH 04-1202-05
Miami Dade Product Control
Division
By: Isling J. Chandra

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-0401.10
Expiration Date April 6, 2016
By: Mariela Perez
Miami Dade Product Control

Allen D. Rivera
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204

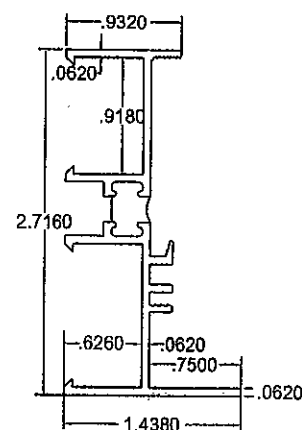


Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

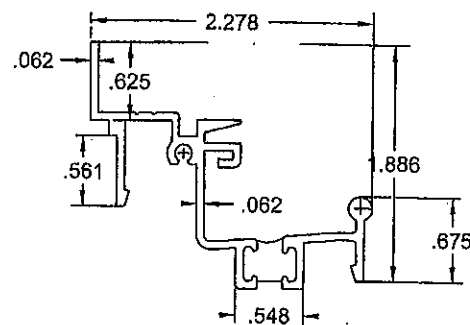
SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

DWG. NUMBER	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	4 of 8

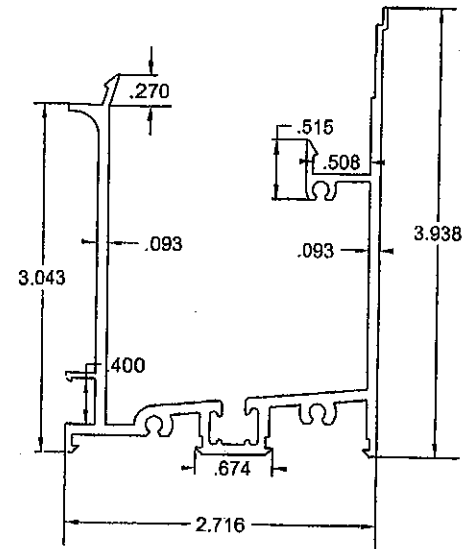
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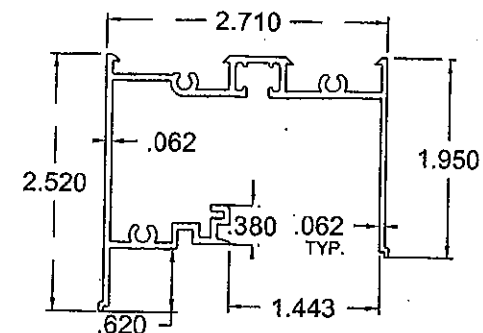
4 JAMB



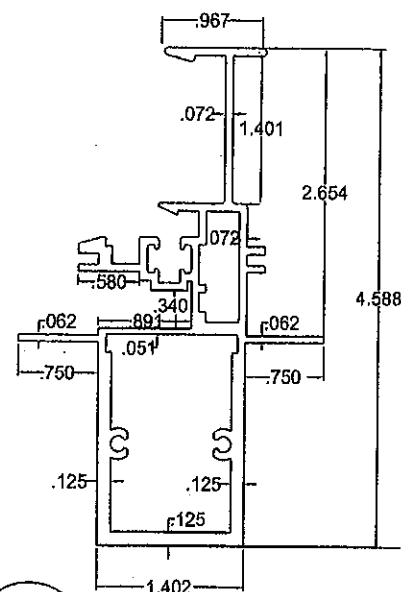
3 SILL INSERT



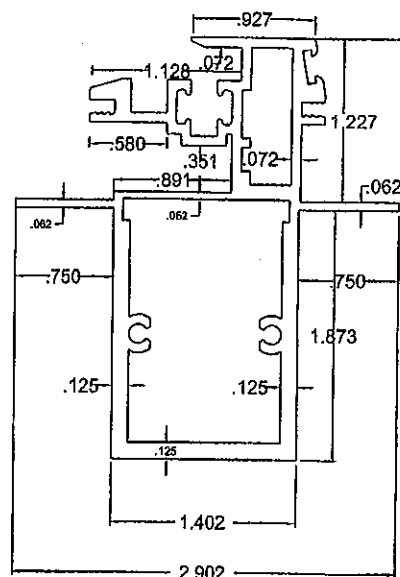
2 SILL



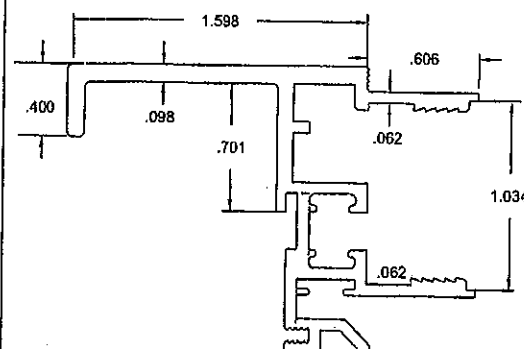
1 HEAD



8 JAMB INTERLOCK STILE



7 KEEPER INTERLOCK STILE



6 VENT LOCK STYLE

Approved as complying with the
Florida Building Code
Date: APRIL 06, 2006
NOA# 04-1202-06
Miami Dade Product Control
Division
By: Shag I. Chande

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 11-0401.10
Expiration Date April 6, 2016
By: Maurice [Signature]
Miami Dade Product Control

Allen N. Remer
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



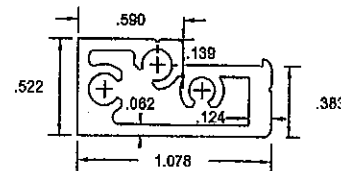
Revisions

Mark	Date	By
	11/14/05	CB
	01/16/06	CB

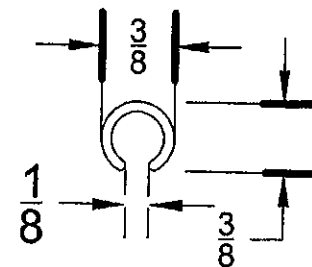
SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

DWG. NUMBER	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	5 of 8

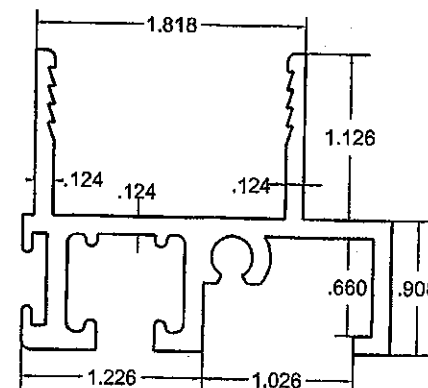
DIMENSIONS: ALL DIMENSIONS SHOWN ON THIS SHEET ARE IN INCHES.



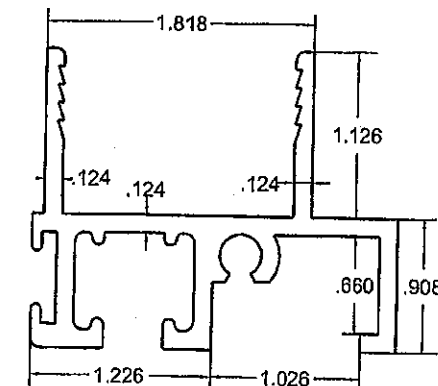
14 SHEAR BLOCK



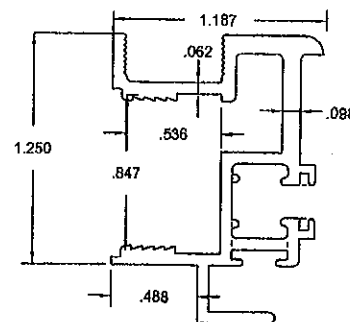
12 ROLLER TRACK CAP



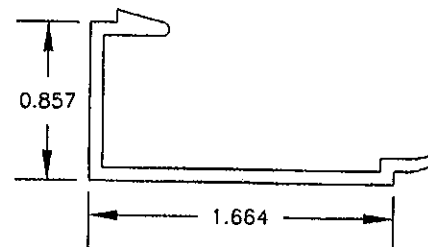
10 BOTTOM VENT RAIL



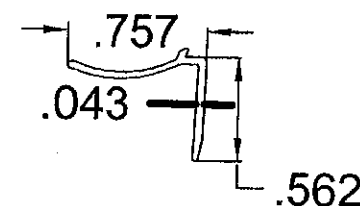
9 TOP VENT RAIL



5 VENT JAMB STYLE



17 L CLIP



21 9/16" GLAZING BEAD

Approved as complying with the
Florida Building Code
Date: APRIL 06, 2006
NOA: 04-1202-06
Miami Dade Product Control
Division
By: Isaac I. Lhanda

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No: 11-040110
Expiration Date: April 6, 2016
By: Manuel Perez
Miami Dade Product Control

Allen N. Reese
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



Revisions

Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

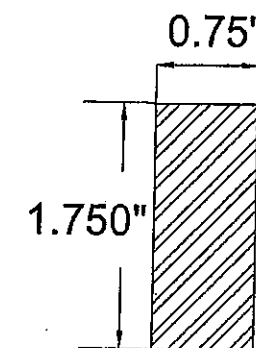
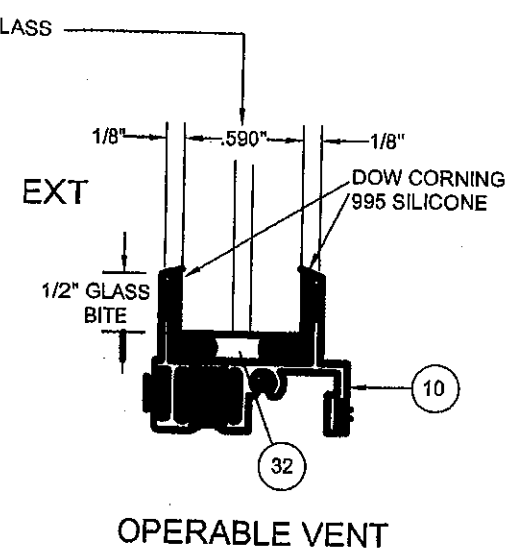
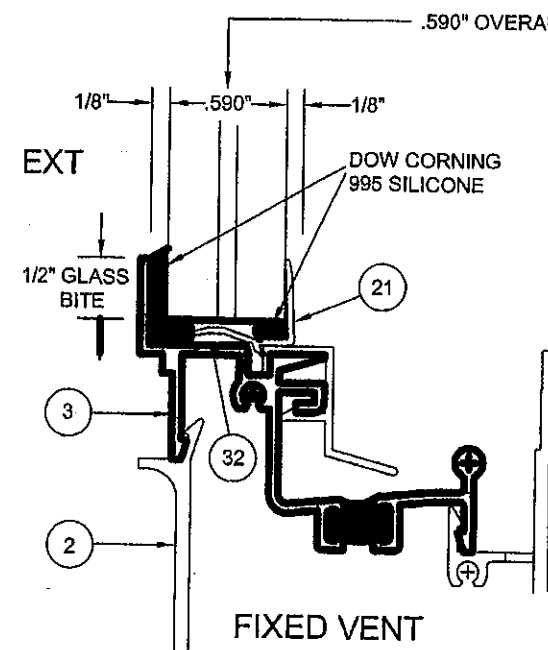
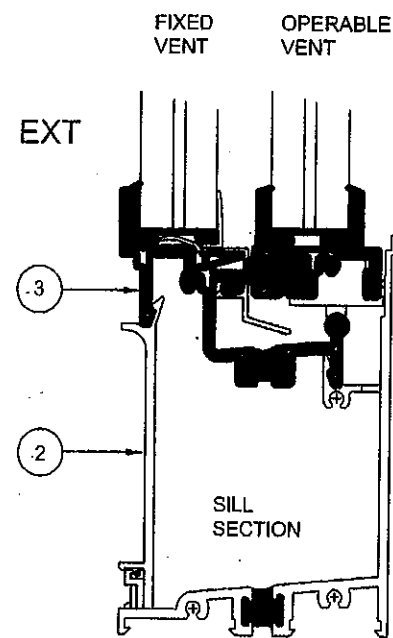
DWG. NUMBER
225

Date:
2-02-04

Drawn By:
KAH

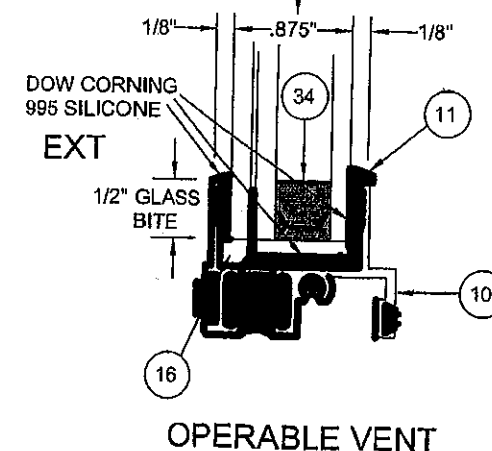
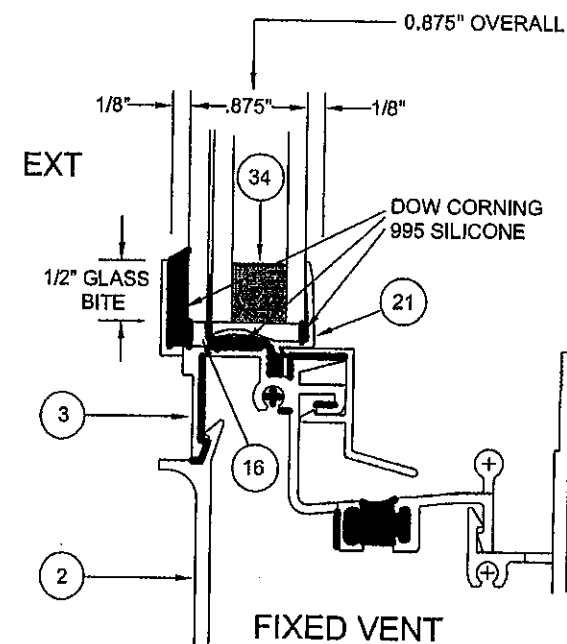
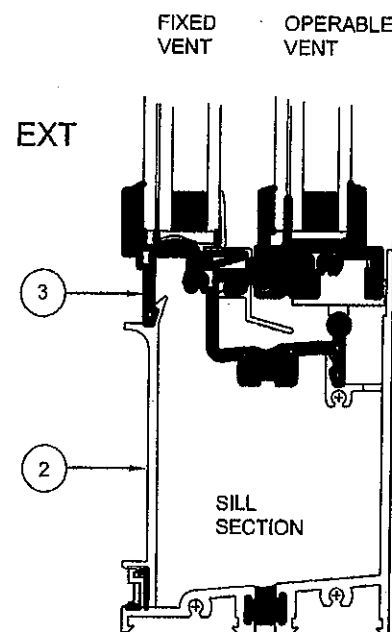
Checked By:
ANR

Sheet:
6 of 8



18
STEEL
REINFORCEMENT

GLAZING TYPE "A" DETAILS (SINGLE PANE GLASS)



Approved as complying with the
Florida Building Code
Date: APRIL 06, 2006
NOAH 04-1202-05
Miami Dade Product Control
Division
By: (Signature)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-0401.10
Expiration Date April 16, 2016
By: (Signature)
Miami Dade Product Control

GLAZING TYPE "B" DETAILS (INSULATED GLASS)

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204

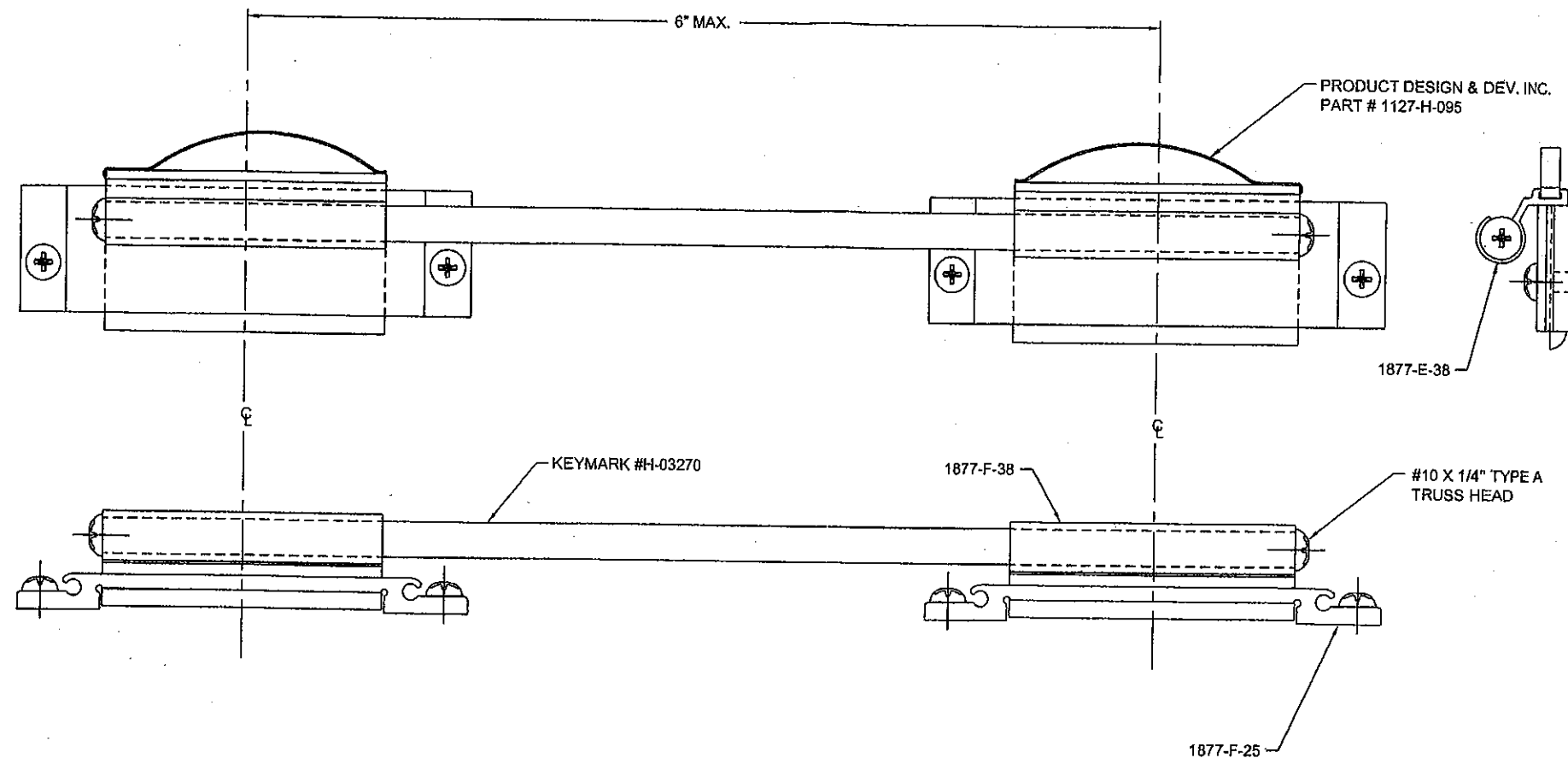


Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

DWG. NUMBER	225
Date:	3-20-2003
Drawn By:	KAH
Checked By:	ANR
Sheet:	7 of 8

Allen N. Rema
9 MARCH 2006



26 SASH LOCK ASSEMBLY

Approved as complying with the
Florida Building Code
Date: APRIL 06, 2006
NOAH 04-1203-05
Miami Dade Product Control
Division
By: Isaac I. Chanda

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-0401.10
Expiration Date April 6, 2016
By: Walter 1883
Miami Dade Product Control

Allen N. Remon
9 MARCH 2006

STARLINE INDUSTRIES, Inc.
4206 Shannon Drive
P.O. Box 4262
Baltimore, Maryland 21213
Phone: 410-325-5300
Fax: 410-483-6204



Revisions		
Mark	Date	By
	11/14/05	CB
	01/16/06	CB

SERIES 140 ALUMINUM HORIZONTAL
SLIDING WINDOW (OXO)

DWG. NUMBER
225
Date:
5-22-03
Drawn By:
KAH
Checked By:
ANR
Sheet:
8 of 8